Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Providing improvements to roads & Drains at Nisarga Layout, in ward no.12, in Shettyhalli Sub-Division.

Est .Cost Rs. 17.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3 Page No 141/ Item No 19.1/ PWD SR 2015-16	Cum							
	Nisarga layout Main		2	800.00	0.45	0.40	288.00		
	Cross Road		2	150.00	0.45	0.40	54.00		
	Cross Road		2	110.00	0.45	0.30	29.70		
	Cross Road		2	220.00	0.45	0.40	79.20		
	Cross Road		2	110.00	0.45	0.40	39.60		
	Cross Road		2	120.00	0.45	0.30	32.40		
	Cross Road		2	110.00	0.45	0.30	29.70		
	For Metaling		1	605.00	5.00	0.30	907.50		
							1460.10	83.16	121422.00
	Basic Rate	77.00							
	Area Weightage 8%	6.16							
		83.16							
2	KSRRB 300-1 Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. in Hard Soil MORTH/ Chapter 3 Page No 141/ Item No. 19.2/ PWD SR 2015-16	Cum							
	Culverts		1	12.00	2.00	1.20	28.80		
							28.80	115.56	3328.00
	Basic Rate	107.00							
	Area Weightage 8%	8.56							
		115.56							
3	KSRB 4-1.4 Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.86cum and fine aggregate @ 0.58cum machine mixed concrete laid in layers not exceeding 15cms. Thick well compacted, in foundation and plinth, cost of all materials labour, HOM of machinery, curing complete as per specifications. Specification No. KBS . 4.1 4.2 Page No. 12/ Item No. 4.3/ PWD SR 2015 16	Cum							

	For Culverts		1	12.00	2.00	0.15	3.60		
							3.60	5070.60	**18254.00**
	Basic Rate	4,695.00							
	Area Weightage 8%	375.60							
		5,070.60							
4	KSRB 4-1.6 Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregate @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15cms Thick well compacted in foundation, plinth and cills, including cost of all materials labour HOM of machinery, curing complete as per specifications Specification No. KBS : 4.1 4.2, Page No. 12/ Item No 4.1/ PWD SR 2015-16	Cum							
	For Side Walls		1x2	12.00	(0.75+ 0.45)/2	0.90	12.96		
							12.96	5404.32	**70040.00**
	Basic Rate	5,004.00							
	Area Weightage 8%	400.32							
		5,404.32							
5	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No 18/ Item No 4.48/ PWD SR 2015-16.	Cum							
	For RCC Covering 1		1	12.00	1.60	0.23	4.97	Qty1	
							4.97	6332.04	**31458.00**
	Basic Rate	5,863.00							
	Area Weightage 8%	469.04							
		6,332.04							
6	KSRB 4.9.1 Providing mild steel reinforcement for R.C.C work including straightening, cutting bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications Specification No KBS 4.6.3 for TMT Bars Fe 415 Page No 17/ Item No. 4.45/ PWD SR 2015-16	Q							

	For Side Walls 5kgs/Sqm	2x2x2x12.0x0.90=86.40x5kg = 432.00kgs/Sqm					4.32		
	For RCC Covering Qty1 60kg/cum						3.97		
							8.29	6488.64	**53819.00**
	Basic Rate	6,008.00							
	Area Weightage 8%	480.64							
		6,488.64							
7	KSRB 4-6.4 Providing and removing centering, shuttering, strutting, propping etc. and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No KBS 4.6.2 Page No 15/ Item No. 4.31/ PWD SR 2015-16	Sqm							
	Walls		1x2	12.00		0.90	21.60		
							21.60	306.72	**6625.00**
	Basic Rate	284.00							
	Area Weightage 8%	22.72							
		306.72							
8	KSRRB M400-14.1 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification A By manual means MORTH Specification No. 404 Type A 13.2mm for grading II. Page No. 156/ Item No. 20.14.1/ PWD SR 2015-16	Cum							
	Metalling		1	605.00	5.00	0.15	453.75		
							453.75	1751.76	**794861.00**
	Basic Rate	1,622.00							
	Area Weightage 8%	129.76							
		1,751.76							
9	KSRRB M400-14.1 Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specifications including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/binding Materials to fill up the interstices of coarse aggregates, watering and compacting to the required density Complete as per Specification A By manual means MORTH Specification No 404 Type B 11.2mm for grading III. Page No. 156/ Item No 20.14.3/ PWD SR 2015-16	Cum							

	Metalling		1	605.00	5.00	0.075	226.88		
	Basic Rate	1729.00					226.88	1867.32	423648.00
	Area Weightage 8%	138.32							
		1867.32							
10	KSRRB 400-1.3: Carriage of mixed materials 10 Kms, For items of Sl no 1 cl rs 5.26 per cum/km, Page no 139/ PWD SR 2015-16	Cum					680.63	78.54	53455.00
	Basic Rate	72.72							
	Area Weightage 8%	5.82							
		78.54							
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work lead 10 Km a)Basic rate for haulage of materials as per item No 17.4/KSRRB M100-4.1 . . . Rs 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs 2.00/Km c)Add loading and unloading Item No 17.1/KSRRB M 100-1 Rs 62.20 (P 150, I no 18.57/1, PWD SR 2015-16)	Cum					1488.90		
	Qty Vide Item No=1+8						1459.00	72.71	106077.00
	Qty Limited to								
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage 8%	5.39							
	Total	72.71							
									13
12	Miscellaneous and unforseen Charges								17000.00
13	Add 1% For Quality Control Test							Total	1700000.00
	(Rupees Seventeen Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary

2 The Estimate is prepared as per the PWD SR 2015-16

3 The Provision made in estimate are adequate and essential

4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

CE/02/AS/10/15-16.

ನಂ. PQ: 39 ದಿನಾಂಕ: 04/01/2016
ರೂ. ₹ 1700000/- (ಹದಿನೈದು ಲಕ್ಷ ಮಾತ್ರ)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ ... ರು.

ನಂ. EE/DO/TS/50/2015-16 ದಿನಾಂಕ: 04/1/2016
ರೂ. 17.00 Lakhs (Rupees Seventeen Lakhs Only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.ದಾಸರಹಳ್ಳಿ ವಿಭಾಗ
... ವಲಯ, ಬೆಂಗಳೂರು